

ABSTRACT

A soil-based disposal trench that has failed from a biomat slime is recovered by adding a facultative anaerobic bacteria to an effluent that
5 flows into the disposal trench. The facultative anaerobic bacteria consumes the biomat slime and, in one embodiment, supplants a strictly aerobic bacteria in the soil that converts nitrites to nitrates. As a result, the facultative anaerobic bacteria interrupt the conventional process of nitrification, changing the nitrites to nitrogen gas.

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